

TITLE: Animal models and methods for analysis of lipid metabolism and screening of pharmaceutical and pesticidal agents that modulate lipid metabolism using SREBP pathway genes

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PATENT ASSIGNEE(S): Exelixis, Inc., USA

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W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

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US 2000-189700 P 20000315

AB Drosophila melanogaster and Caenorhabditis elegans that have been genetically modified to express or mis-express proteins involved in the sterol regulatory element binding protein (SREBP) pathway are described. These genetically modified animal models have identifiable phenotypes that make them useful in assays for studying lipid metab., other genes implicated in lipid metab., and compds. capable of modulating lipid metab. pathways. Methods for studying lipid metab. in living nematodes using fluorescently labeled fatty acid conjugates, such BODIPYTM fatty acid conjugates, are also described. Novel SREBP pathway nucleic acid and protein sequences are also described.

REFERENCE COUNT: 3

REFERENCE(S): (1) Rosenfeld, J; The Journal of Biological Chemistry 1998, V273, P16112 CAPLUS
(2) Shimano, H; Journal of Clinical Investigation 1997, V100, P2115 CAPLUS
(3) Shimomura, I; The Journal of Biological Chemistry 1998, V273, P35299 CAPLUS

TITLE: ASSESSMENT OF A DROSOPHILA BASED SCREEN
FOR DEVELOPMENTAL TOXICANTS.
AUTHOR(S): DAVIS D G; LYNCH D W; SCHULER R L; HOOD R D
CORPORATE SOURCE: DEP. BIOL., UNIV. ALA., TUSCALOOSA, ALA.
SOURCE: THIRTIETH ANNUAL MEETING OF THE TERATOLOGY SOCIETY,
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E FOGARTY PATRICK/AU
L1 12 S E3.
L2 9 DUP REM L1 (3 DUPLICATES REMOVED)
E DAVID RONALD/AU
L3 2 S E3 OR E6
L4 2825 S SCREENING AND (FLY OR DROSOPHILA)
L5 1790 S SCREENING (S) (FLY OR DROSOPHILA)
L6 93 S L5 AND TOXICITY
L7 7 S L6 AND PHARMA?
L8 6 DUP REM L7 (1 DUPLICATE REMOVED)
L9 14 S TOX? (A) SCREEN? (S) (FLY OR DROSOPHILA)
L10 7 DUP REM L9 (7 DUPLICATES REMOVED)
L11 0 S PHARM? (A) SCREEN? (S) (FLY OR DROSOPHILA)
L12 1 S PHARM? (A) SCREEN? AND (FLY OR DROSOPHILA)
L13 2 S PHARM? (2A) SCREEN? (S) (FLY OR DROSOPHILA)
L14 23 S TOX? (2A) SCREEN? (S) (FLY OR DROSOPHILA)
L15 13 DUP REM L14 (10 DUPLICATES REMOVED)